WHAT IS CLAIMED IS:

1	1. A client wireless module, for handling communications to and from an
2	access point wireless module, comprising:
3	an 11b processing section, for processing at least data to be transmitted to the access
4	point into representations of a transmit signal;
5	an OFDM processing section, for processing at least a representation of a receive signal
6	from the access point into receive data;
7	at least one transmit antenna, coupled to the 11b processing section;
8	at least one receive antenna, coupled to the OFDM processing section; and
9	logic for routing information between a client and the client wireless module.
1	2. The client wireless module of claim 1, wherein the at least one transmit
2	antenna comprises a plurality of transmit antennas.
1	3. The client wireless module of claim 1, wherein the at least one receive
2	antenna comprises a plurality of receive antennas.
1	4. A client wireless module, for handling communications to and from an
2	access point wireless module, comprising:
3	an OFDM processing section, for processing at least data to be transmitted to the access
4	point into representations of a transmit signal;
5	an 11b processing section, for processing at least a representation of a receive signal
6	from the access point into receive data;
7	at least one transmit antenna, coupled to the OFDM processing section;
8	at least one receive antenna, coupled to the 11b processing section; and
9	logic for routing information between a client and the client wireless module.
1	5. The client wireless module of claim 4, wherein the at least one transmit
2	antenna comprises a plurality of transmit antennas.
1	6. The client wireless module of claim 4, wherein the at least one receive
2	antenna comprises a plurality of receive antennas.
1	7. An access point wireless module, for handling communications to and from
2	an client wireless module, comprising:

3	an 802.11b processing section, for processing at least data to be transmitted to the client
4	into representations of a transmit signal;
5	an 802.11g processing section, for processing at least a representation of a receive signal
6	from the client into receive data;
7	at least one transmit antenna, coupled to the 802.11b processing section;
8	at least one receive antenna, coupled to the 802.11g processing section; and
9	logic for routing information between an access point and the access point wireless
10	module.
1	8. The access point wireless module of claim 7, wherein the at least one
2	transmit antenna comprises a plurality of transmit antennas.
1	9. The access point wireless module of claim 8, wherein the at least one
2	receive antenna comprises a plurality of receive antennas.
1	10. An access point wireless module, for handling communications to and
2	from an client wireless module, comprising:
3	an 802.11g processing section, for processing at least data to be transmitted to the client
4	into representations of a transmit signal;
5	an 802.11b processing section, for processing at least a representation of a receive signal
6	from the client into receive data;
7	at least one transmit antenna, coupled to the 802.11g processing section;
8	at least one receive antenna, coupled to the 802.11b processing section; and
9	logic for routing information between an access point and the access point wireless
10	module.
1	11. The access point wireless module of claim 10, wherein the at least one
2	transmit antenna comprises a plurality of transmit antennas.
1	12. The access point wireless module of claim 10, wherein the at least one
2	receive antenna comprises a plurality of receive antennas.
1	13. A method of wireless communication between a client device and an
2	access point, wherein a client device is a wireless network station that is portable, mobile or
3	portable and mobile, the method comprising:
4	transmitting upstream data from the client device using an 802.11b protocol;

- 5 receiving the upstream data at the client device;
- 6 transmitting downstream data from the access point using an 802.11g protocol; and
- 7 receiving the downstream data at the client device.